

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1

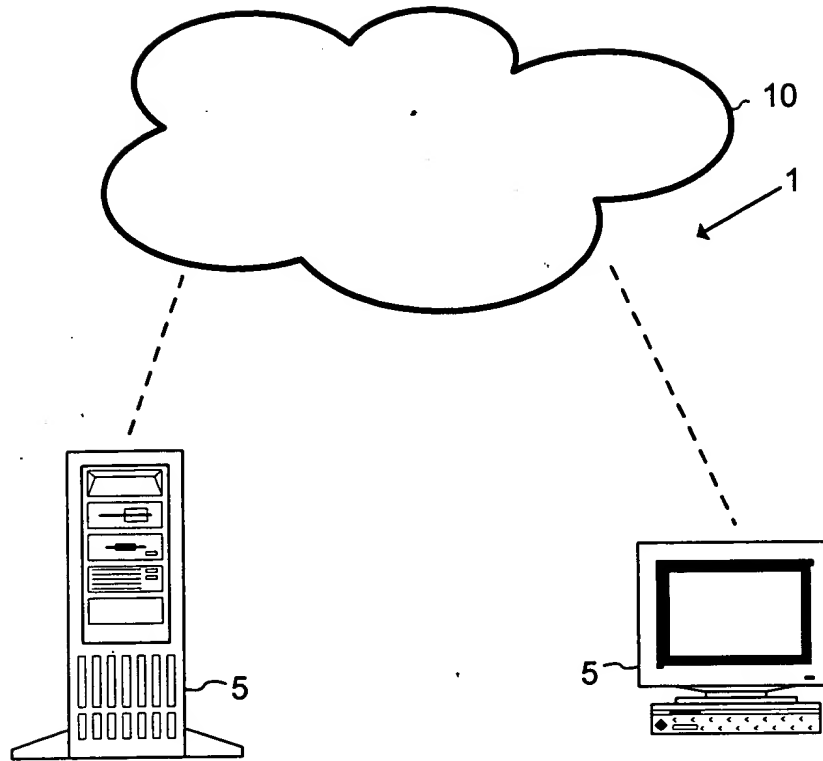


FIG. 2

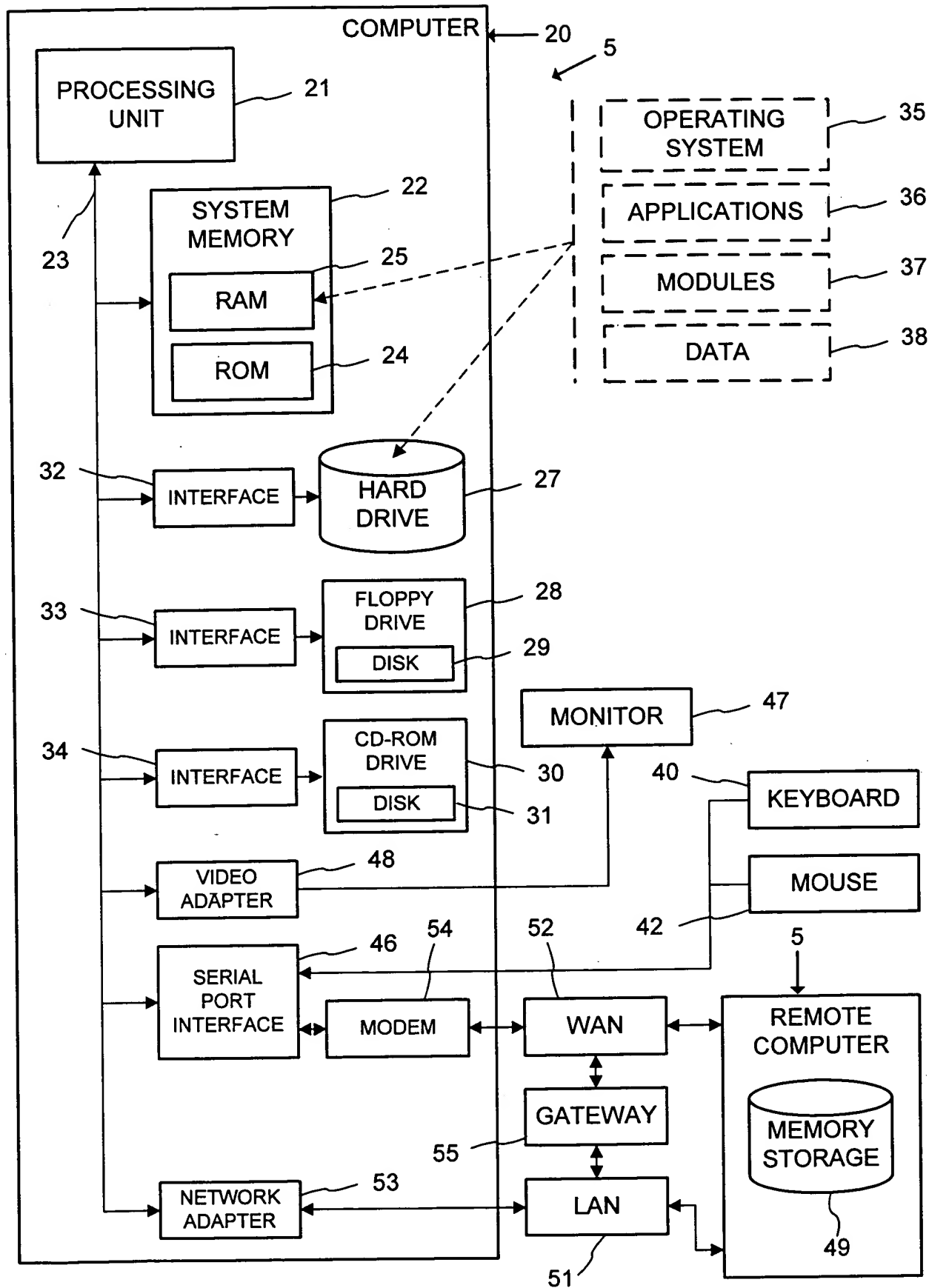
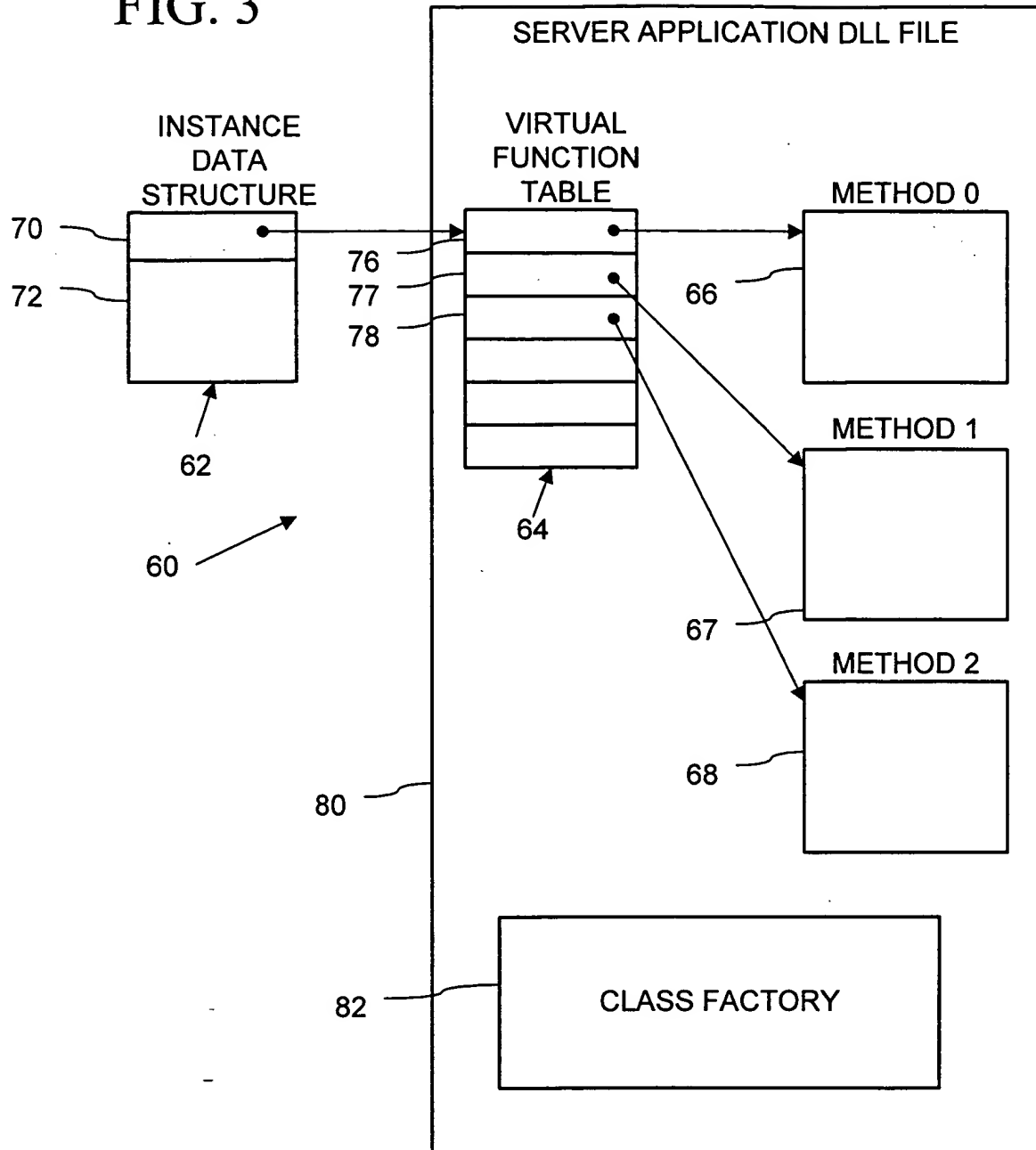


FIG. 3



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FIG. 4

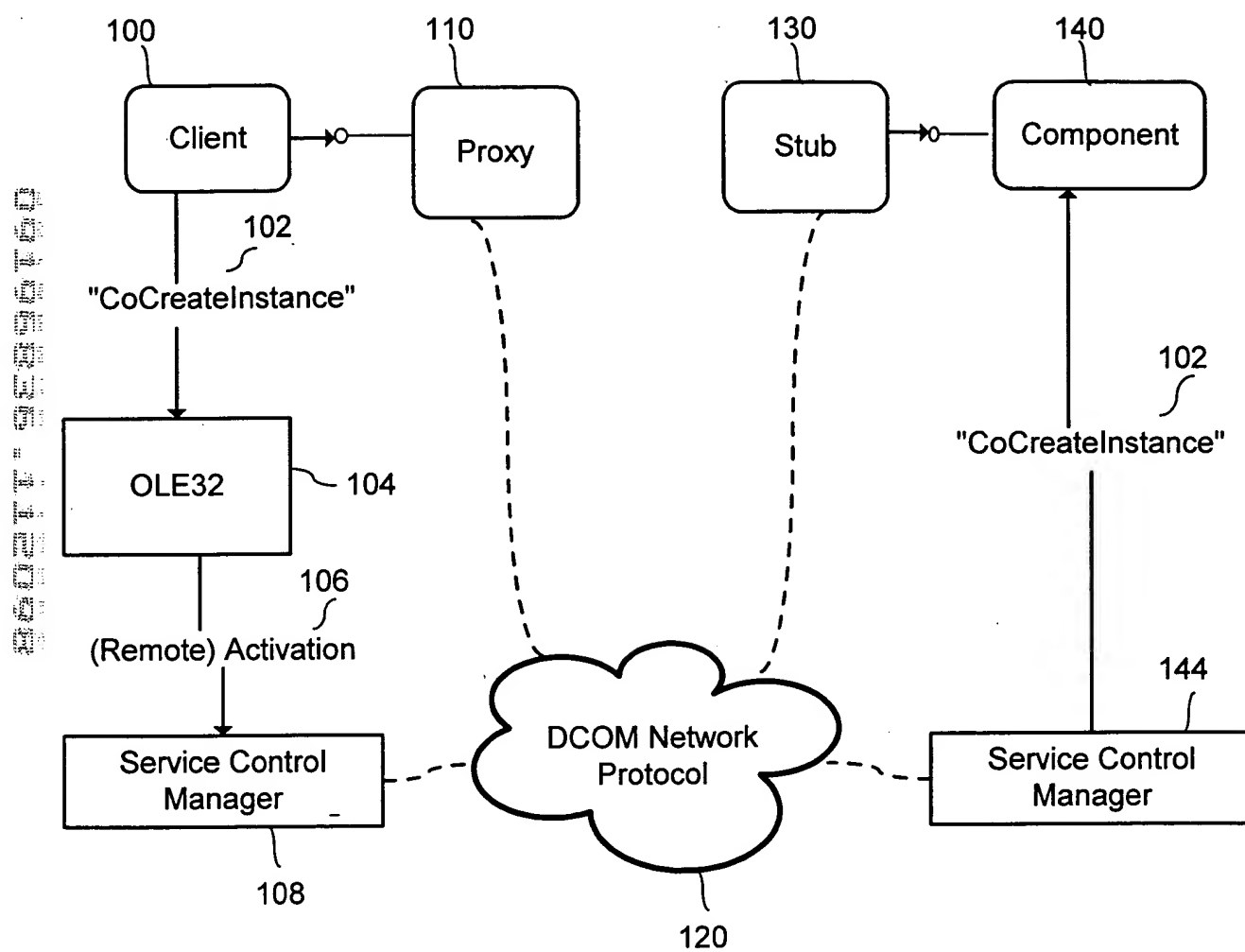
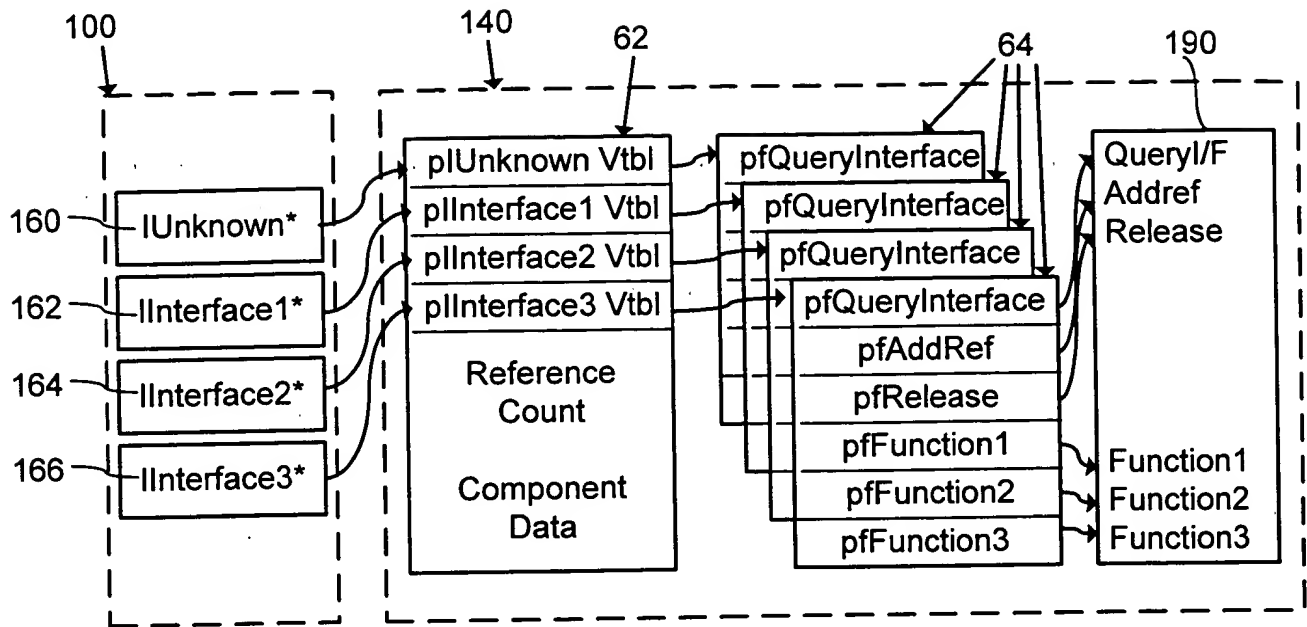


FIG. 5



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FIG. 6

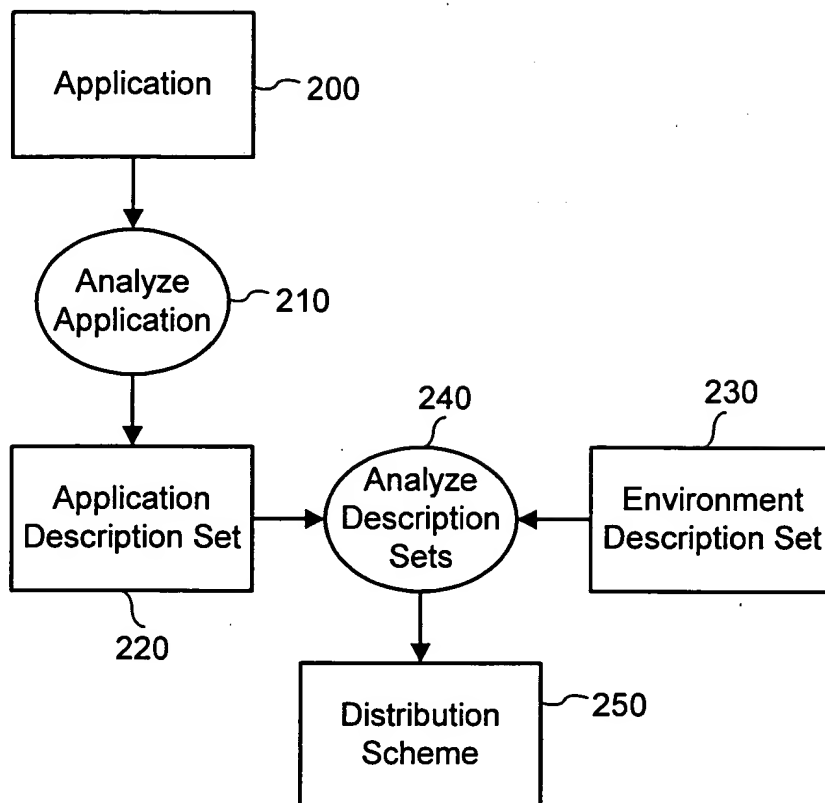
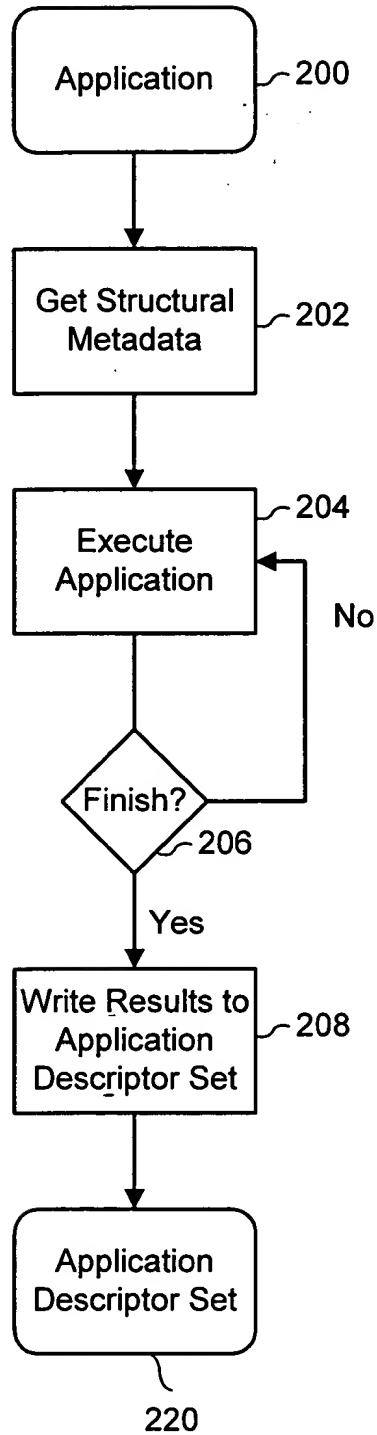


FIG. 7



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FIG. 8

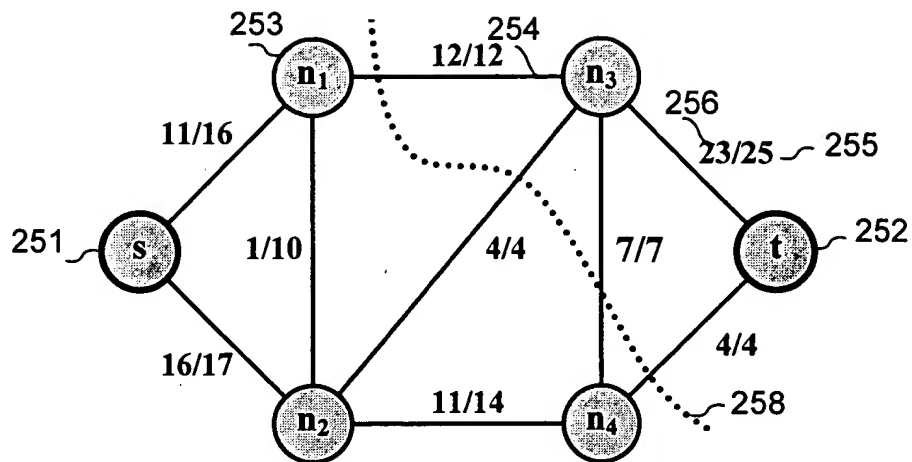


FIG. 8



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FIG. 9

260 — *Program Control Flow:*

```

a.func1: a->func2()
      ...
a.func2: b->func3()
      ...
b.func3: b->func4()
      ...
b.func4: c->func5()
      ...
c.func5: CoCreateInstance(type)

```

261 — *Incremental Classifier:*

10 (for 10th call to CoCreateInstance)

262 — *Component Static-Type Classifier:*

type

263 — *Static-Type Component Call-Chain (T3C) Classifier:*

type + Type(c) + Type(b) + Type(a)

264 — *Procedure Call-Chain (PCC) Classifier:*

type + func5 + func4 + func3 + func3 + func1

265 — *Internal Component Call-Chain (I3C) Classifier:*

type + c.func5 + b.func4 + b.func3 + a.func3 + a.func1

266 — *Entry-point Component Call-Chain (EP3C) Classifier:*

type + c.func5 + b.func4 + a.func3

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FIG. 10

// Application Source

...  
CoCreateInstance (Clsid)  $\xrightarrow{280}$  XCoCreateInstance (Clsid)  
...

:: Application Binary

...  
push Clsid  
call [CoCreateInstance]  $\xrightarrow{281}$  push Clsid  
call [XCoCreateInstance]  
...

:: Application Binary

...  
CoCreateInstance:  $\xrightarrow{282}$  CoCreateInstance:  
word \_COM\_CoCreateInstance word \_X\_XCoCreateInstance  
...

:: COM DLL Binary

...  
\_COM\_CoCreateInstance:  $\xrightarrow{283}$   
push ebp  
mov ebp, esp  
...

:: COM DLL Binary Replacement

...  
\_COM\_CoCreateInstance:  
Call XcoCreateInstance  
push ebp  
mov ebp, esp  
...

:: COM DLL Binary

...  
\_COM\_CoCreateInstance  $\xrightarrow{284}$  \_COM\_CoCreateInstance  
push ebp trap  
mov ebp, esp  
...

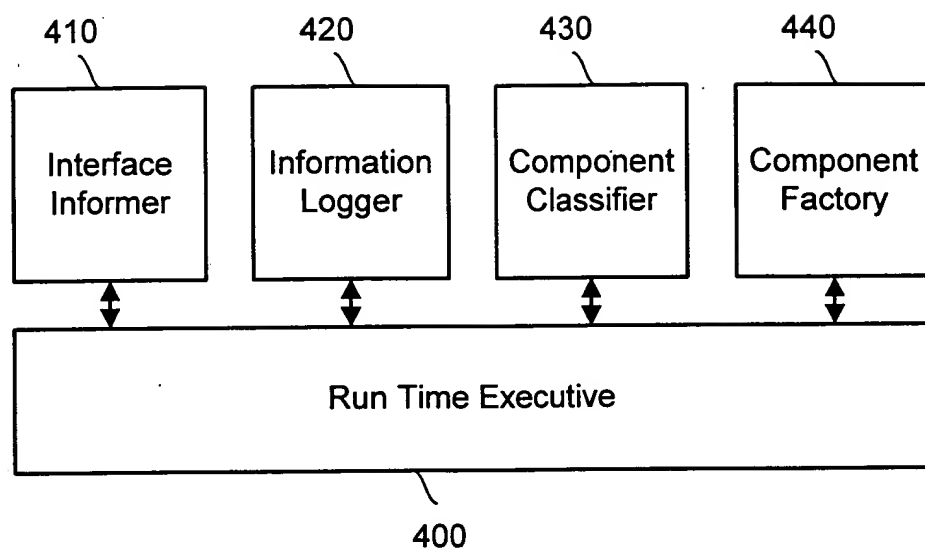
:: COM DLL Binary

...  
\_COM\_CoCreateInstance  $\xrightarrow{285}$  \_COM\_CoCreateInstance  
push ebp jmp \_X\_XCoCreateInstance  
mov ebp, esp  
...



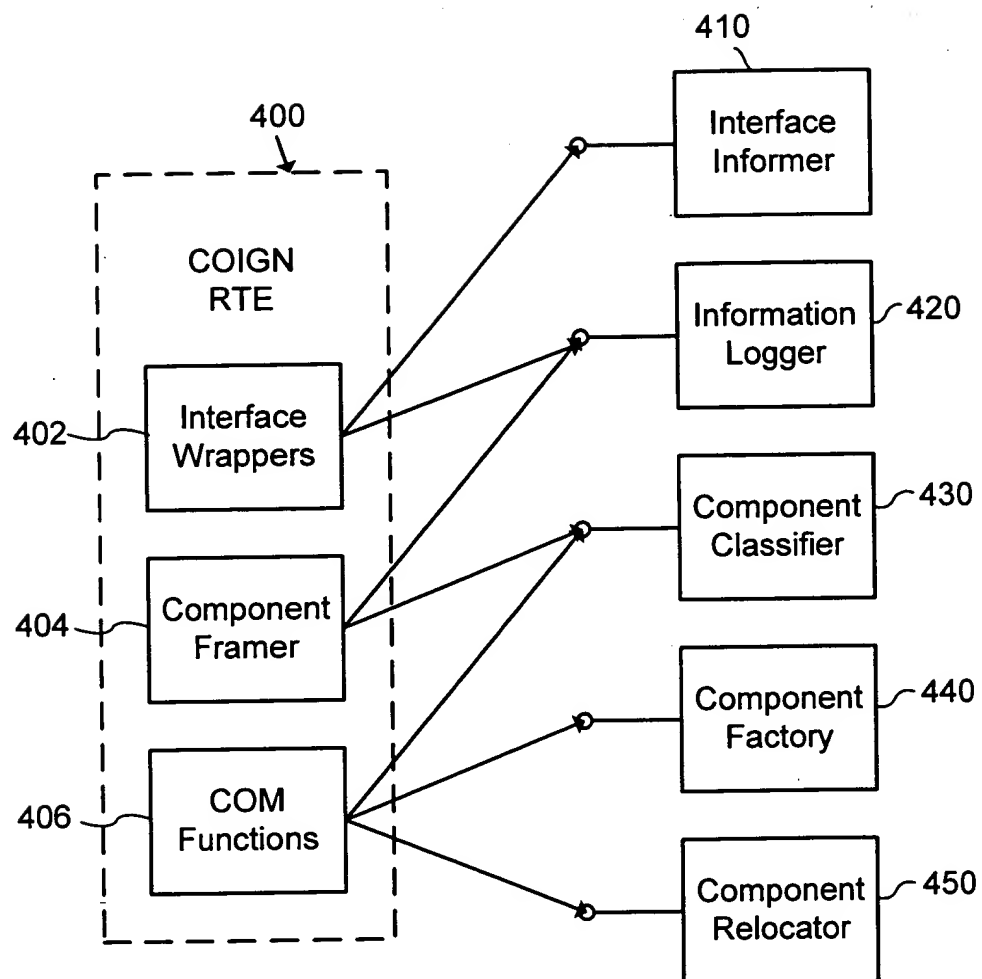
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FIG. 12



APPROVED	DATE	FIG.
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FIG. 13



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 14

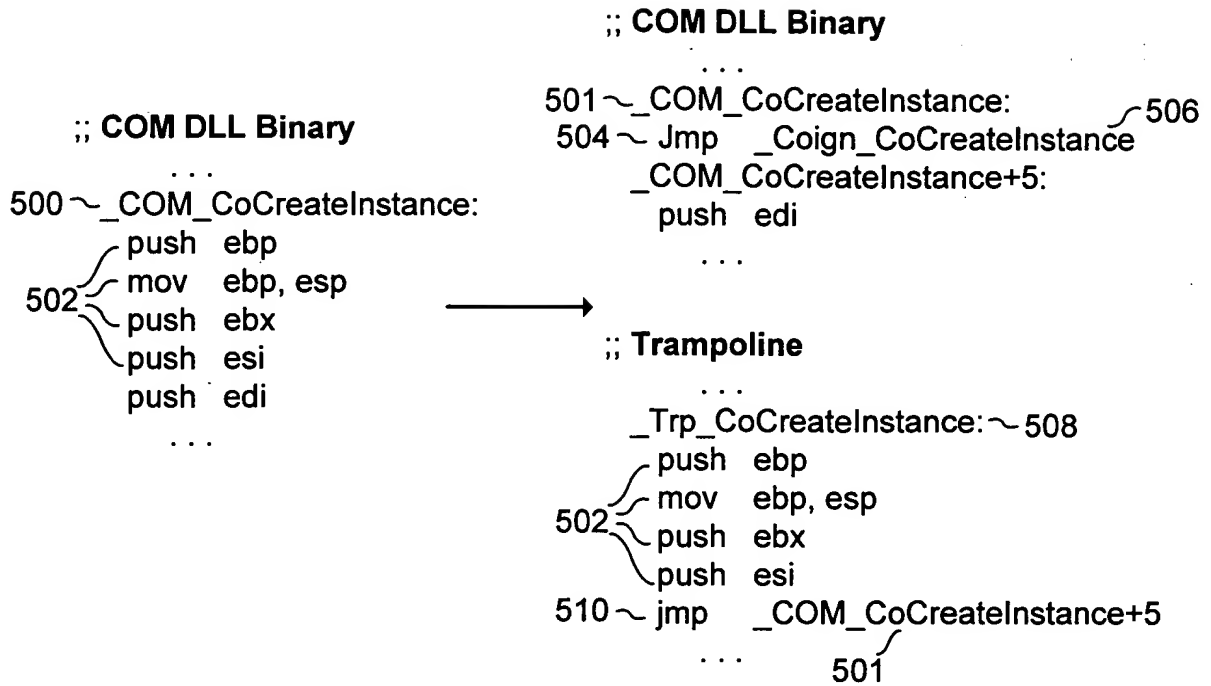


FIG. 15

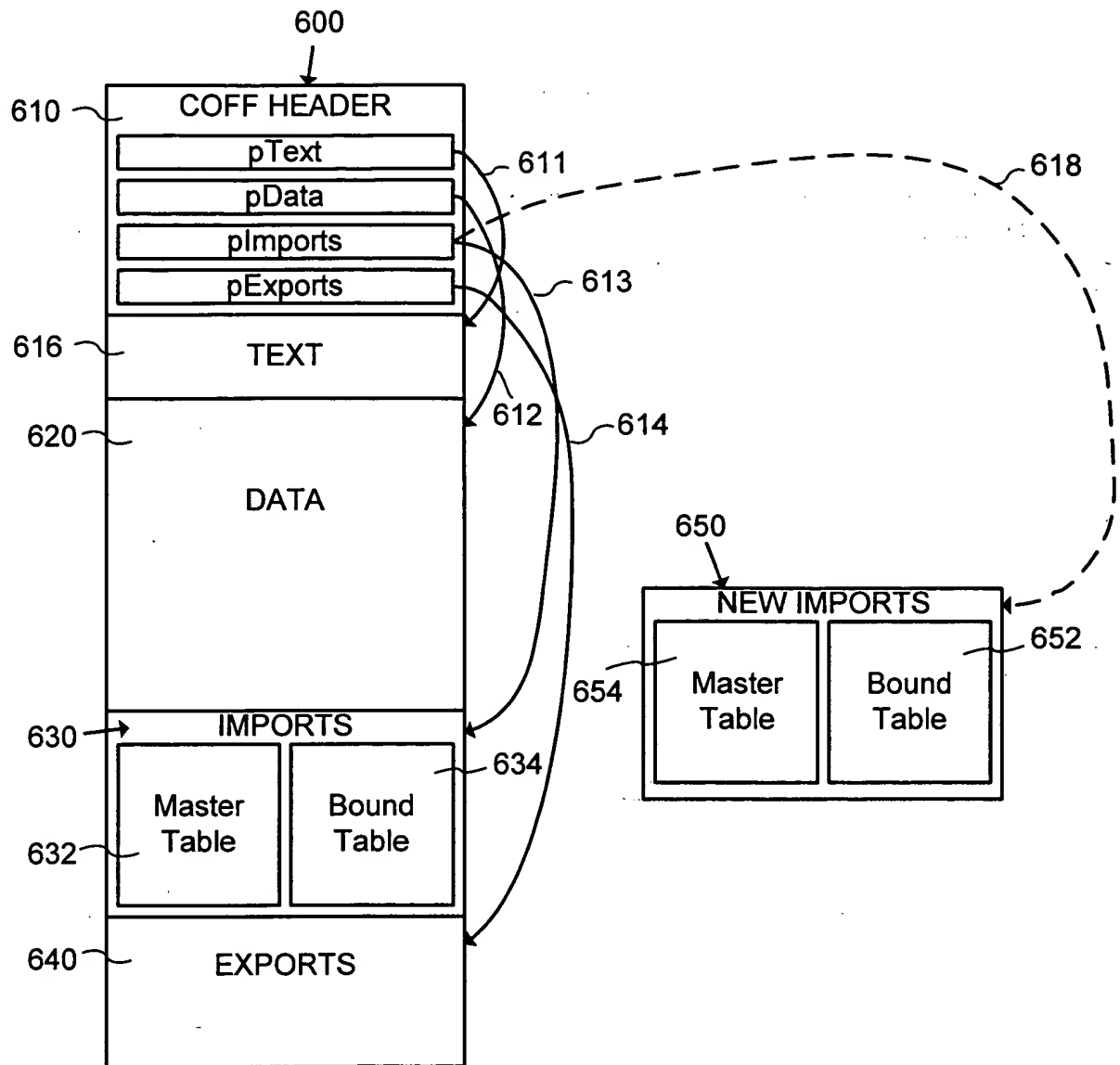


FIG. 16

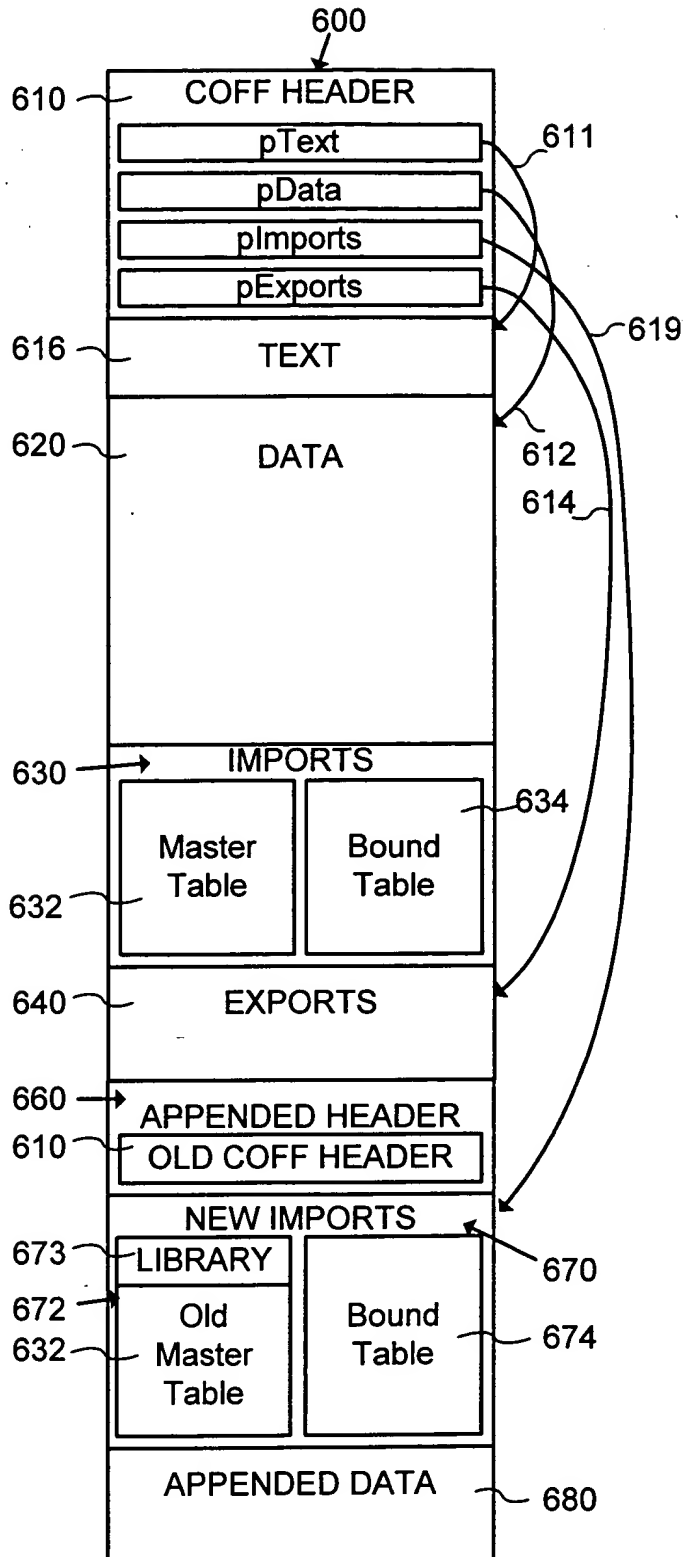




FIG. 17

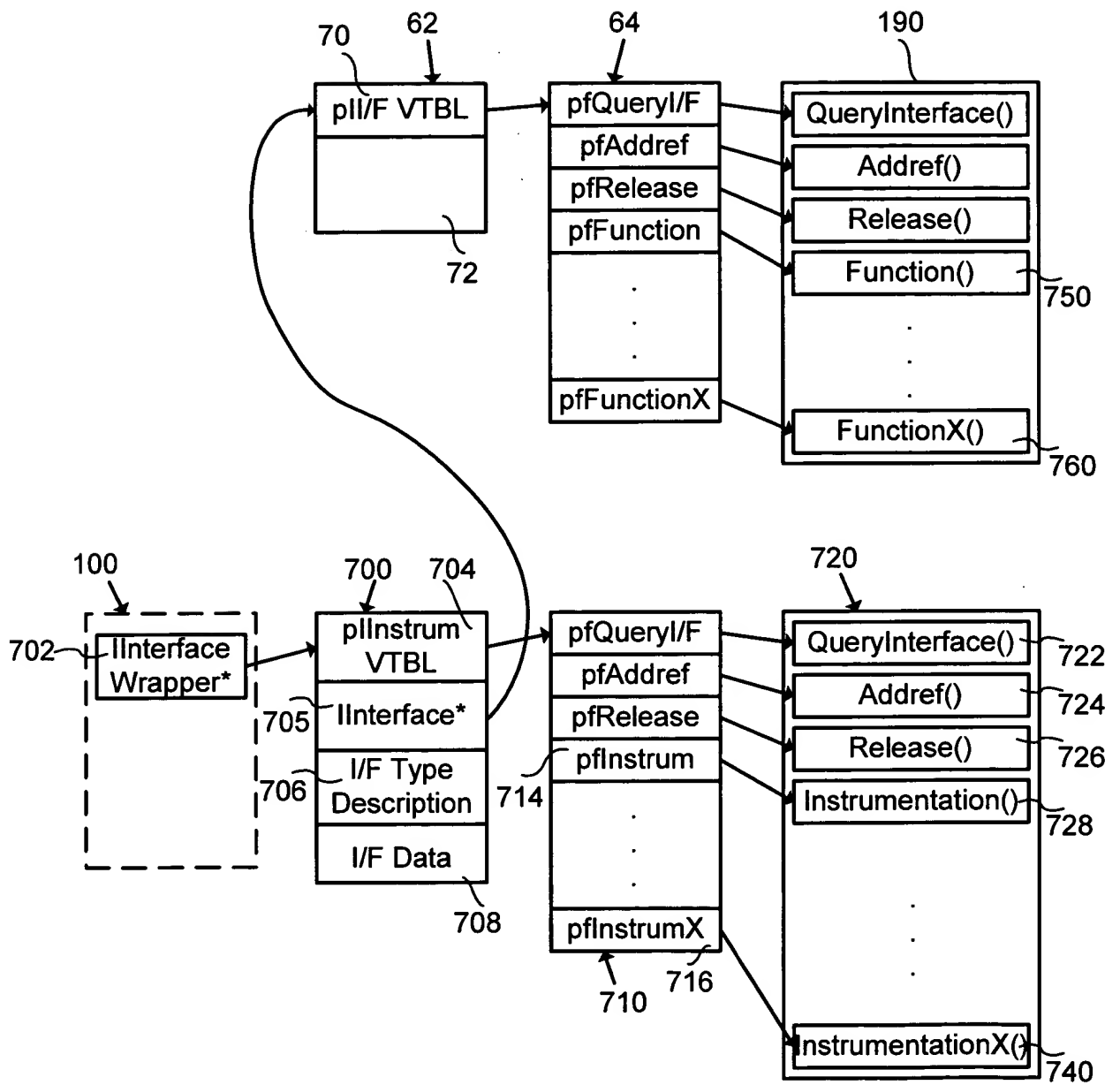


FIG. 18

